

[AIR PRESSURE PROJECTILE LAUNCHER]

Abstract

An air pressure projectile launcher toy comprising at least one soft foam projectile and a telescopic tube assembly, adapted on one end for releasably securing a projectile, and capable of generating a high speed compressed air stream, which is buffered by a large available air volume, intended to accelerate a lightweight foam projectile without generating an undesirable shock wave, caused by the rapid build-up of high internal pressures. By incorporating a linear energy storage means and eliminating the use of internal air-tight seals, only minimal energy input is required from the user, thereby making it possible for children to launch safe foam projectiles with less effort and increased accuracy.